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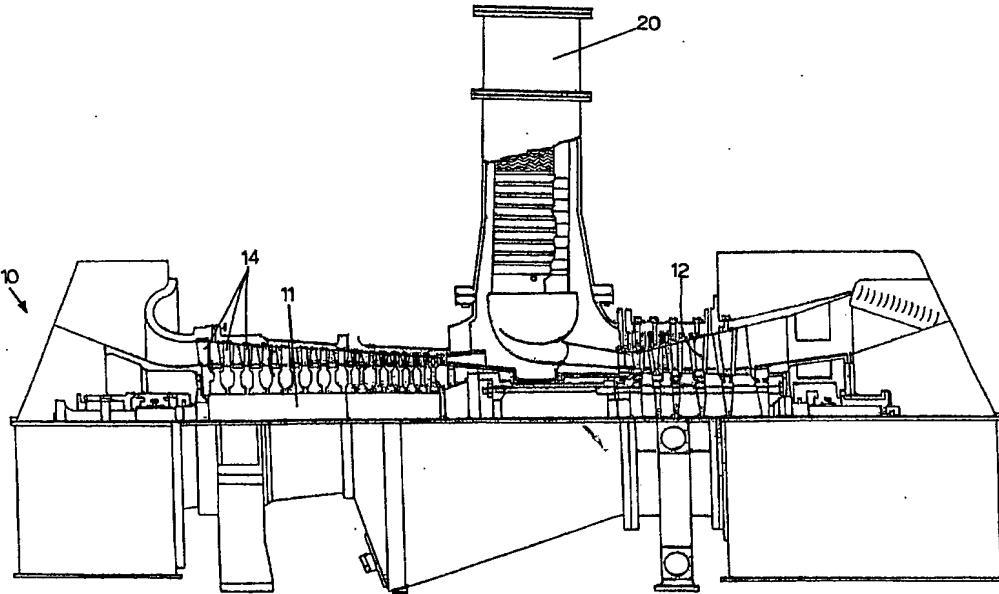
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(54) Title: SYSTEM FOR CONTROLLING AND OPTIMIZING THE EMISSION OF A CATALYTIC COMBUSTOR IN A SINGLE-SHAFT GAS TURBINE



WO 2004/057171 A1

(57) Abstract: System for controlling and optimizing the emissions of a catalytic combustor in a single-shaft gas turbine (10), comprising at least one calculation unit for implementing a mathematical model of the operation of the said gas turbine (10), on the basis of a set of predetermined parameters, by means of which the aforesaid emissions can be optimized during variations of the operating conditions of the turbine over a range of external environmental conditions from approximately -29°C to +49°C.



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